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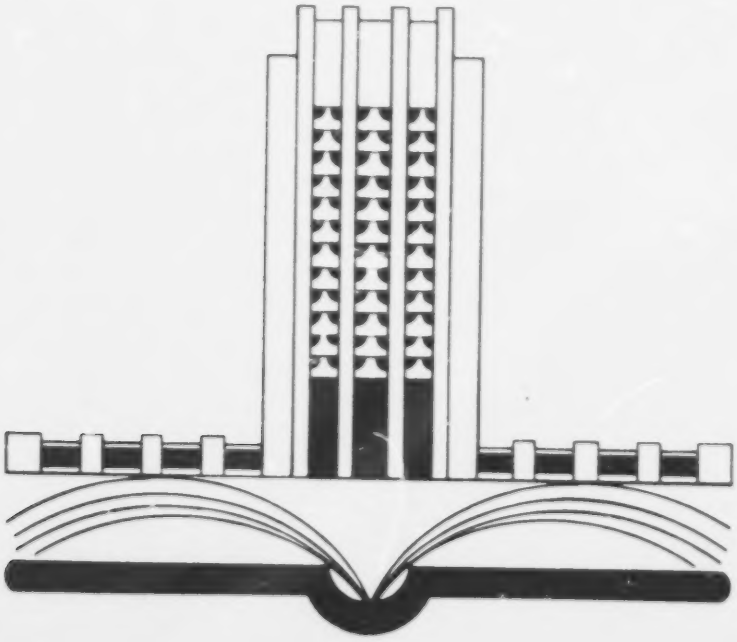

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POULTRY WASTES: USES AND MANAGEMENT

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0001
Absorption by sheep of calcium, phosphorus and magnesium from a poultry litter supplemented diet.
Ben-Ghedalia, D. ; Tagari, H.-Geva, A. Cambridge, Cambridge University Press. The Journal of agricultural science. Feb 1982. v. 98 (pt.1). p. 85-88. Includes 18 ref. (NAL Call No.: 10 J822).

0002
Admixing cage layer manure improves the aerobic stability of whole crop maize silage.
Spoelstra, S.F. ; Tjoonk, L.-Steg, A. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985, Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 159-166. Includes 14 references. (NAL Call No.: DNAL TD930.I57 1985).

0003
An agro-economic assessment of white potato manuring trials: Benguetand Mountain Provinces (Philippines, chicken manure, net income, yields).
Potts, M.J.PHAGA. : De Los Santos, A.B.-Sano, E.O.-Rutab, F.R. Laguna : College of Agriculture and Central Experiment Station. The Philippine agriculturalist. July/Sept 1982. v. 65 (3). p. 283-290. Includes references. (NAL Call No.: 25 P542).

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Alternative utilization of animal wastes.
JANSAG. Fontenot, J.P. ; Smith, L.W.-Sutton, A.L. Champaign, Ill. American Society of Animal Science. Journal of animal science. July 1983. v. 57 (suppl.2). p. 221-233. Includes references. (NAL Call No.: DNAL 49 J82).

0005
Amino acid availability in dry poultry waste in comparison with relevant feedstuffs.
El Boushy, A.R. ; Roodbeen, A.E. Champaign : Poultry Science Association. Poultry science. Mar 1984. v. 63 (3). p. 583-585. Includes references. (NAL Call No.: 47.8 AM33P).

0006
Analytical values for mushroom compost, poultry deep litter and poultry slurry samples over a 5-year period, 1978-82.
IJALA. Gormley, T.R. Dublin : An Foras Taluntais. Irish journal of agricultural research. 1984. v. 23 (2/3). p. 183-189. Includes 9 references. (NAL Call No.: DNAL 10.5 IR45).

0007
Aspergillosis in turkeys associated with use of contaminated litter (Aspergillus fumigatus).
Dyar, P.M. ; Fletcher, O.J.-Page, R.K. Kennett Square : American Association of Avian Pathologists. Avian diseases. Jan/Mar 1984. v. 28 (1). p. 250-255. ill. Includes references. (NAL Call No.: 41.8 AV5).

0008
Availability of macroelements from a concentrate diet supplemented with soybean meal or poultry manure fed to sheep.
Ben-Ghedalia, D. ; Tagari, H.-Geva, A.-Zamwel, S. Champaign, Ill., American Dairy Science Association. Journal of dairy science. Sept 1982. v. 65 (9). p. 1760-1764. 19 ref. (NAL Call No.: 44.8 J822).

0009
Availability of phosphorus contained in poultry litter for lambs (Feedstuffs).
Tagari, H. ; Silanikove, N.-Hurwitz, S. Bethesda, American Institute of Nutrition. The Journal of nutrition. Mar 1981. . v. 111 (3). p. 405-411. ill. 28 ref. (NAL Call No.: 389.8 J82).

0010
Bacteriological findings regarding the hygenic safety of poultry litter intended as an ingredient of feeds for ruminants.
OJVRA. Ogonowski, K. ; Barnard, M.L.-Giesecke, W.H.- Pretoria : South Africa, Dept. of Agriculture and Fisheries. The Onderstepoort journal of veterinary research. Dec 1984. v. 51 (4). p. 249-252. maps. Includes references. (NAL Call No.: DNAL 41.8 ON1).

0011
Batch fermentation of cheese-whey supplemented poultry, swine and cattle waste filtrates.
Erdman, M.D. ; Reddy, C.A. London : Elsevier Applied Science Publishers. Biological wastes. 1987. v. 22 (1). p. 23-37. Includes references. (NAL Call No.: DNAL TD930.A32).

0012
Bioavailability of phosphorus in poultry litter biomass ash residues for turkeys.
POSCAL. Akpe, M.P. ; Waibel, P.E.-Morey, R.V. Champaign, Ill. : Poultry Science Association. Poultry science. Oct 1984. v. 63 (10). p. 2100-2102. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0013
Bioconversion of poultry for biogas and algal production.
Mahadevaswamy, M. ; Venkataraman, L.V. London : Elsevier Applied Science Publishers. Agricultural wastes. 1986. v. 18 (2). p. 93-101. Includes references. (NAL Call No.: DNAL TD930.A32).

0014
Bioeconomic assessment of a poultry sewage and tilapia aquaculture system.
Griffin, W.L. ; Anderson, R.G.-Stickney, R.R.-Whitson, R.E. San Angelo, Tex. : Texas Academy of Science. The Texas journal of science. Dec 1980. v. 32 (4). p. 311-318. Includes 14 references. (NAL Call No.: 470 T31).
Extract: Economic relationships of commercial laying hen production

facility with liquid manure handling system were evaluated concerning desirability of incorporating fish production component. The fish selected were tilapia because of their herbivorous nature and excellent tolerance for degraded water quality. Linear programming incorporating input data available from commercial poultry industry and experimental work with tilapia was used to analyze various situations and make decisions upon when fish production should be initiated as field manure disposal alternative. The model predicted that tilapia production would be economically desirable at $0.233/kg when poultry manure had no value. Higher values for tilapia would be required where poultry manure was assigned a value. If tilapia were to be used for fish meal, no profit could be made even if the manure had no value.

0015
Biological conversion of poultry and animal waste to a feed stuff for poultry.
WPSJA. El Boushy, A.R. ; Klaassen, G.J.-Ketelaars, E.H. Aylesbury : World's Poultry Science Association. World's poultry science journal. Literature review. June 1985. v. 41 (2). p. 133-145. Includes references. (NAL Call No.: DNAL 47.8 W89).

0016
Broiler death rate used to determine underground disposal pit capacity (Waste management, poultry disposal methods, Arkansas).
Warnock, W.K.AKFRA. ; Tacker, P.L. Jr. Fayetteville : The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Mar/Apr 1983. v. 32 (2). p. 6. ill. (NAL Call No.: 100 AR42F).

0017
Broiler litter--a once-undesirable by-product is now proving to be a valuable feedstuff for ruminants.
Kunkle, W.E. ; Carr, L. Mount Morris, Ill., Watt. Feed management. Dec 1978. v. 29 (12). p. 42-42. ill. (NAL Call No.: 389.78 EA7).

0018
Broiler litter and its use as a pasture fertiliser.
Temple-Smith, M.G. Hobart, Tasmanian Dept. of Agriculture. Journal of agriculture, Tasmamia. May 1979. v. 50 (2). p. 46-49. ill. (NAL Call No.: 23 T182T).

0019
Broiler litter in finishing ration reduces beef feeding cost (Unconventional feedstuffs).
Thomas, E.E. ; Eason, J.T.-Turnbull, G.W. Auburn, Ala., The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Summer 1982. v. 29 (2). p. 10. ill. (NAL Call No.: 100 AL1H).

0020
Broiler manure management and ground water quality.
Harris, J.R. Jr. St. Joseph, Mich. : The Society. American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1987 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1987. (fiche no. 87-4048). 15 p. Includes references. (NAL Call No.: DNAL FICHE S-72).

0021
Broiler production environment associated with using brooding paper.
Carr, L.E. ; Malone, G.W.-Wabeck, C.J.-Weng, C. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road,. Summer 1985. (fiche no. 85-4024). 19 p. (NAL Call No.: DNAL FICHE 290.9 AM32P).

0022
Campylobacter jejuni infection on poultry farms and its effect on poultry.
JFPRDR. Genigeorgis, C. ; Hassuneh, M.-Collins, P. Ames, Iowa : International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. Nov 1986. v. 49 (11). p. 895-903. ill., charts. Includes 49 references. (NAL Call No.: DNAL 44.8 J824).
Extract: In 1984, we monitored 4 ranches with a total of 24 houses (15,000-20,000 birds/house) for 3 consecutive generations (January-August). On epidemiologic grounds, infection of birds did not originate at the hatcheries or the central water and feed. Considering all lots of birds, t infection rate increased from 2.3 per cent by the 10th day to 9.5, 29.7, 47.9, 65.7, 78.6 and 81.8 per cent by the 20th, 30th, 40th, 45th, 50th day and at slaughter times, respectively. Transmission from one generation of chickens to the next via the old litter is suspected, but not proven microbiologically. A 5-log reduction of Campylobacter jejuni was shown in experimentally inoculated litters stored at 17 and 30 degrees C for 6 d and 8 degrees C for 11 d. The houses remained empty for 9-29 d before being filled with new chicks. Carrier flocks contaminated the slaughterhouse equipment to such an extent that negative flocks processed afterwards resulted in contaminated meat. Lack of effective sanitation at the end of the day contributed to the contamination of meat from Campylobacter-free birds processed the next day. Feather picker drip water was positive 94 per cent of the sampling times at levels of log10

3.4 (1.0-4.7). Scalding temperatures did not affect the level of contamination in the finished products (P more than 0.2). An ELISA based on heatstable antigens was adapted for the detection of circulating antibodies. Of 56 broilers aged 50 to 68 d, only 2 (3.5 per cent) 68 d old with log10 5.4 C. jejuni/g of feces were considered as positive. Birds considered negative harbored C. jejuni in their ceca at levels of log10 2.0 to 5.4/g of feces. Five out of 6 (83 per cent) 18 month-old hens were considered as positive. Yet, none of these birds were found carrying C. jejuni in their feathers or ceca.(author)

0023
Can litter management reduce energy requirements?proceedings of the Minnesota Turkey Growers Association : energy symposium.
St. Paul, Minn. Agricultural Experiment Station, University of Minnesota, 1982. Cover title. 67 p. : ill. ; 22 cm. (NAL Call No.: DNAL S1.M52 no.15).

0024
Cattle excreta stover makes competitive feedstuff (Poultry waste rations, beef cattle finishing costs).
Boehlje, M.D. ; Vetter, R.L. Minneapolis, Miller Publishing. Feedstuffs. Aug 27, 1979. v. 51 (35). p. 53-54, 68. ill. 7 ref. (NAL Call No.: 286.81 F322).

0025
Cellulase production by Scopulariopsis brevicaulis isolates obtained from composting broiler litter.
Crawford, J.H. Chichester (Sussex) : Wiley, c1983. Biodeterioration 5 : papers presented at the 5th International Biodeterioration Symposium, Aberdeen, September, 1981 / edited by T.A. Oxley and S. Barry. p. 621-626. ill. Includes references. (NAL Call No.: QR1.I55 1981).

0026
Changing waste to energy: methane.
Clark, N.E. Energy in agriculture collection - Michigan State University, Department of Agricultural Engineering. Sept 1980. Source: Farm Energy. v. 1 (3). p. 18-20. ill. (NAL Call No.: No Call No. (ENR)).

0027
Characterization of mineral element profiles in animal waste and tissues from cattle fed animal waste. I. Heifers fed broiler litter.
JANSAG. Westing, T.W. ; Fontenot, J.P.-McClure, W.H.-Kelly, R.F.-Webb, K.E.Jr. Champaign, Ill. : American Society of Animal Science. Journal of animal science. Sept 1985. v. 61 (3). p. 670-681. Includes references. (NAL Call No.: DNAL 49 J82).

0028
Chicken litter for cattle feeding; the effects of different supplements.
Meyreles, L. ; Preston, T.R. Santo Domingo : Consejo Estatal del Azucar, Division de Ganaderia y Boyada. Tropical animal production. 1982. v. 7 (1). p. 61-65. ill. Includes 1 references. (NAL Call No.: SF95.T69).

0029
Chicken manure methanogenesis: toxicity of dietary feed ionophores to methane formation from acetate.
ANYAA9. Dosoretz, C. ; Lamed, R. New York, N.Y. : The Academy. Annals of the New York Academy of Sciences. In the series analytic: Biochemical engineering V / edited by M.L. Shuler and W.A. Weigand. Paper presented at the Fifth Biochemical Engineering Conference, July 26-August 1, 1987, Henniker, New Hampshire. 1987. v. 506. p. 676-681. Includes references. (NAL Call No.: DNAL 500 N484).

0030
Chicken manure methanogenesis. 1. Selective inhibition of acetate conversion to methane.
POSCAL. Dosoretz, C. ; Lamed, R. Champaign, Ill. : Poultry Science Association. Poultry science. Apr 1987. v. 66 (4). p. 576-585. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0031
Cleaning, handling and drying of poultry manure (Use as organic fertilizer or to be recycled through livestock).
Brcic, J. New York : United Nations. AGRI/MECH report - Economic Commission for Europe. 1982. 1982. (98). 24 p. 1 p. ref. (NAL Call No.: 58.9 UN3222).

0032
Coccidiostat residues in poultry excreta.
Hobson-Frohock, A.JSFAA. ; Johnson, H.A. Oxford : Blackwell Scientific Publications. Journal of the science of food and agriculture. Jan 1983. v. 34 (1). p. 37-44. (NAL Call No.: 382 SD12). coccidiostat residues in excreta of caged broiler chicks fed diets containing sulphaquinoxaline or decoquinate

0033
Colorimetric determination of uric acid in poultry excreta and in mixed feeds.
Alumot, E. ; Bielorai, R. Arlington, Va., The Association. Journal Association of Official Analytical Chemists. Nov 1979. v. 62 (6). p. 1350-1352. ill. 4 ref. (NAL Call No.: 381 AS7).

0034
Commercially processing and selling poultry waste as a feed ingredient.
Hamblin, D.C. Champaign, Ill., American Society of Animal Science. Journal of animal science. Feb 1980. v. 50 (2). p. 342-344. ill. (NAL Call No.: 49 J82).

0035
Comparative analysis of the utilization of biogas from a 275,000-gallon anaerobic digester on a poultry farm.
Knight, D.K. ; Clement, M.D.-Ball, D.P. Chicago : The Institute, 1985. Energy from biomass and wastes IX : symposium

papers presented January 28-February 1, 1985, Lake Buena Vista, Florida / symposium chairman, Donald L. Klass ; sponsored by Institute of Gas Technology. p. 811-828. ill. Includes references. (NAL Call No.: DNAL TP360.E545).

0036
Comparative studies on chemicals for reducing microbial populations in poultry wastes.
Narasimhalu, P. ; McRae, K.~Gregoire, R. Ottawa, Agricultural Institute of Canada. Canadian journal of animal science. Dec 1981. v. 61 (4). p. 1075-1077. Includes 7 ref. (NAL Call No.: 41.8 C163).

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Composition and feeding value of broiler litter (for ruminants).
Kunkle, W.E. ; Carr, L. College Park, Md. ProceedingsMaryland Nutrition Conference for Feed Manufacturers, University of Maryland. 1977. 1977. p. 110-115. ill. 7 ref. (NAL Call No.: 389.9 UN342).

0038
Composition and phosphorus bioavailability of a solid by-product from anaerobically digested waste from caged layer hens.
POSCAL. Steinsberger, S.C. ; Ort, J.F.~Snin, J.C.H. Champaign, Ill. : Poultry Science Association. Poultry science. Apr 1987. v. 66 (4). p. 634-639. Includes references. (NAL Call No.: DNAL 47.8 AM33P).

0039
Composted sewage sludge and poultry manure as growth media amendments for tomato transplant production.
AAREEZ. Sims, J.T. ; Pill, W.G. New York : Springer. Applied agricultural research. 1987. v. 2 (3). p. 158-163. Includes references. (NAL Call No.: DNAL S539.5.A77).

0040
Composting of solids from pig and poultry liquid manure.
Vanstaen, H. ; Neukermans, G.~Debruyckere, M ~Versiraete, W. Emmaus, Pa., J.G. Press. Compost science/land utilization. Jan/Feb 1980. v. 21 (1). p. 46-49. ill. 4 ref. (NAL Call No.: 57.8 C734).

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A confirmed case of type C botulism in cattle.
PAMDD. Morton, R.J. ; Edwards, W.C.~Goodwin, D.E.~Dye, L.B. Madison, Wis. : The Association. Proceedings of ... annual meeting - American Association of Veterinary Laboratory Diagnosticians. 1985. (28th). p. 305-312. Includes 12 references. (NAL Call No.: DNAL SF771.A53A).

0042
Continuous aerobic conversion of poultry waste into single-cell protein using a single reactor: kinetic analysis and determination of optimal conditions.
Kargi, F. ; Shuler, M.L.~Vashon, R.~Seeley, H.W.~Henry, A.~Austic, R.E. New York, John Wiley & Sons. Biotechnology and bioengineering. Aug 1980. v. 22 (8). p. 1567-1600. ill. 31 ref. (NAL Call No.: 381 J8224).

0043
Control of crystal formations in recycle flush systems at caged layer operations.
Roberto, J.S. Jr. ; Sweeten, J.M. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985, Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 624-631. ill. Includes references. (NAL Call No.: DNAL TD930.I57 1985).

0044
Copper toxicosis in cattle fed chicken litter.
JAVMA. Banton, M.I. ; Nicholson, S.S.~Jowett, P.L.H.~Brantley, M.B.~Boudreaux, C.L. Schaumburg, Ill. : The Association. Journal of the American Veterinary Medical Association. Oct 1, 1987. v. 191 (7). p. 827-828. Includes references. (NAL Call No.: DNAL 41.8 AM3).

0045
Cost effective manure drying on the cage belts (Poultry waste disposal, Netherlands).
Genova : (s.n.). Zootecnica international. Aug 1984. Aug 1984. (8). p. 24, 26. ill. (NAL Call No.: SF600.Z6).

0046
Cottonseed hulls improve feed efficiency and gains of cattle on broiler litter diets.
HARAA. Thomas, E.E. ; Turnbull, G.W.~Eason, J.T. Auburn, Ala. : The Station. Highlights of agricultural research - Alabama, Agricultural Experiment Station. Summer 1985. v. 32 (2). p. 10. ill. (NAL Call No.: DNAL 100 AL1H).

0047
Crystalline buildup in swine and poultry recycle flush systems.
Westerman, P.W. ; Safley, L.M. Jr.~Barker, J.C. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985, Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 613-623. ill. Includes references. (NAL Call No.: DNAL TD930.I57 1985).

0048
Current trends in foodborne salmonellosis in the United States and Canada.
Bryan, Frank L. Ames, Iowa, International Association of Milk, Food, and Environmental Sanitarians. Journal of food protection. May 1981. v. 44 (5). p. 394-401. ill., charts. 53 ref. (NAL Call No.: 44.8 J824).
Extract: In the United States, Salmonella has been isolated from over 31,000 persons during 1979; this figure is more than 60% higher than isolations made 18 years earlier. In Canada, the change from about 5,000 isolations in 1977 to more than 8,000 in 1979 is also a 60% increase, but over an interval of only 3 years. Salmonellosis accounted for 40% of reported cases of foodborne disease in the U.S. during 1973-78 and for 39% of all reported cases in Canada during 1973-75. Foods most frequently reported as vehicles of salmonellosis in the U.S. were beef, turkey, homemade ice cream, pork and chicken. Turkey was the most frequently reported vehicle in Canada. Factors contributing to outbreaks are improper cooling, lapse of a day or more between preparation and serving, inadequate cooking or heat processing, ingestion of contaminated raw ingredients, and cross-contamination. Factors that perpetuate the problem are Salmonella-contaminated animal byproducts and feed; concentrating animals in feed lots and brooding houses; spreading Salmonella during animal slaughtering, and processing foods of animal origin; national and international distribution of food and feeds; food preparation and storage practices in foodservice establishments and homes; and environmental contamination from animal wastes and other sources. (author/nm)

0049
Cutting crop production costs--utilizing manure.
Bandel, V.A. College Park, Md. : The Service. The Agronomist - Cooperative Extension Service, University of Maryland. Summer 1987. v. 24 (2). p. 7-8. (NAL Call No.: DNAL S71.A46).

0050
Dehydrated poultry excreta vs cottonseed meal as nitrogen supplements for Holstein steers.
Smith, L.W. ; Calvert, C.C. Champaign, Ill., American Society of Animal Science. Journal of animal science. Mar 1979. v. 48 (3). p. 633-640. ill. 23 ref. (NAL Call No.: 49 J82)

0051
Dehydrated poultry waste and urea as feed supplements in layer rations.
Daghir, N.J. ; Amirullah, I. Oxford, Pergamon Press. Iranian journal of agricultural research. 1978. v. 6 (2). p. 91-97. ill. 20 ref. (NAL Call No.: S19.I7).

0052
The Delaware solution to poultry manure management and groundwater quality.
Harris, J.R. Jr. University Park, PA : Northeast Regional Center for Rural Development, 1987. Chautauqua groundwater workshop for extension agents : proceedings of the workshop held at the Chautauqua Institution, Chautauqua, New York, May 7-9, 1986 / editor, Althea Rudd. p. 145-157. Includes references. (NAL Call No.: DNAL TD223.1.C4 1986).

0053
Development and evaluation of various processes for controlled aerobic conversion of poultry waste into high protein feedstuff / by Fikret Kargi. -.
Kargi, Fikret. Ann Arbor, Mich. University Microfilms International 1980. Thesis--Cornell University, 1979. Facsimile produced by microfilm-xerography. xi, 219 leaves. Bibliography: leaves 194-202. (NAL Call No.: DISS 80-03,943).

0054
Different levels of ensiled and deep stacked broiler litter for growing cattle.
Hovatter, M.D. ; Sheehan, W. Blacksburg, Va., The Division. Research Division report Virginia Polytechnic Institute and State University, Research Division. July 1979. July 1979. (175). p. 77-83. ill. (NAL Call No.: S543.V5V5).

0055
Dried poultry manure as a dietary ingredient for broilers and sheep.
Ilian, M.A. ; Razzaque, M.A.-Salman, A.J. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985, Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 146-153. Includes 13 references. (NAL Call No.: DNAL TD930.I57 1985).

0056
Dried poultry ma ure (DPM) in Dutch ruminant feeding.
Boer, F. de. St. Joseph, Mich., American Society of Agricultural Engineers, c1981. Livestock waste: a renewable source; proceedings, 4th International Symposium on Livestock Wastes - 1980, April 15-17, 1980, Amarillo Civic Center, Amarillo, Texas.International Symposium on Livestock Wastes (4th : 1980 : Amarillo, Tex.). p. 22-26, 30. 5 ref. (NAL Call No.: TD811.I5).

0057
Dried poultry waste as a feed ingredient.
Biely, J. ; Kitts, W.D.-Bulley, N.R. Rome, FAO. World animal review. 1980. 1980. (34). p. 35-42. ill. 35 ref. (NAL Call No.: SF191.W6).

0058
A drying system for poultry manure in belt batteries.
Kroodsma, W. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985, Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 354-362. ill. (NAL Call No.: DNAL TD930.I57 1985).

0059
Economic analysis of broiler litter as a feed for steers.
Thompson, C.S. ; Cross, D.L. ?Lexington, Ky., Southern Agricultural Economics Assoc.?. Southern journal of agricultural economics. Dec 1978. v. 10 (2). p. 69-72.
Extract: Results of this study show that broiler litter is an economic alternative feed for beef steers. Its use as a feed in beef rations was estimated by both a production function approach and by least-cost rtions. Ration composition from the production function aproach was estimated to be: corn silage 24 percent, broiler litter silage 46 percent, and corn 30 percent on a dry matter basis.

0060
An economic evaluation of anaerobic digestion on cage layer operations.
Ureta-Bravo, E.E. ; McMahon, G. Storrs : The Service. Bulletin - Cooperative Extension Service, University of Connecticut. 1983. 1983. (83-23). 14 p. (NAL Call No.: 275.29 C76B).
Extract: This report presents the net present values associated with biogas-to-electricity systems (BES) for five farm sizes under alternative situations. The results show that farm size, electricity price projections, and the quantity of electricity produced had a major effect on the feasibility of the BES investment. Alternative assumptions regarding tax credits and interest rates were also analyzed, but these two factors had only a marginal impact on the investment's feasibility.

0061
Economic evaluation of biogas-to-electricity systems on cage layer operations.
McMahon, G. ; Altobello, M.S.~Bravo-Ureta, E. Amherst, The Council. Journal - Northeastern Agricultural Economics Council. Oct 1981. v. 10 (2). p. 87-92. 22 ref. (NAL Call No.: HD1773.A2N6).
Extract: Increased bird density on egg production operations has led to high electricity consumption and manure handling problems. Anaerobic digestion offers a source of energy (biogas) and a consistent method of manure management. This paper reports the results of a computer simulation model designed to evaluate the economic viability of biogas-to-electricity systems on four egg farms containing different numbers of hens. These results indicate that the economic viability of the investment analyzed is directly related to the number of hens and projected electricity prices.

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The economic feasibility of electricity generation on cage layer operations, (Net Present Value).
Bravo-Ureta, B.E. ; McMahon, G.V. Storrs : The Department. Staff paper - University of Connecticut, Department of Agricultural Economics and Rural Sociology. July 1983. July 1983. (83-11). 48 p. Includes 41 references. (NAL Call No.: 924895(AGE)).
Extract: This paper analyzes the economic feasibility of an investment designed to digest anaerobically cage layer manure and convert biogas into electricity which is sold to a public utility. A simulation model is used to calculate the after-tax net present value (NPV) of a digestion system for eight egg farms differing in size under alternative scenarios. The results show that farm size and electricity price projections have a major impact on the magnitude and sign of the NPV estimates. Technical performance also has a marked effect on the investments' feasibility, while tax credits and low interest rates have a relatively minor influence.

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Economics of finishing steers on broiler litter, corn silage and shelled corn (Feeding, beef cattle).
Weathers, C.R. ; Miller, M.S. Raleigh, N.C., The Service. AG - North Carolina State University, Agricultural Extension Service. Nov 1980. Nov 1980. (AG-241). 15 p. ill. 1 ref. (NAL Call No.: S544.3.N6N62).

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Economics of methane generation from livestock and poultry wastes inthe South.
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ENREB. Zvereva, Ye.L. Silver Spring, Md. : Scripta Publishing. Entomological review. Translated from: Entomologicheskoe obozrenie. p. 266-. (421 R322). Apr/June 1984. v. 63 (2). p. 84-91. Includes references. (NAL Call No.: DNAL 421 R322AE).

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Effect of feeding poultry litter on growth and nutrients utilization in crossbred calves.
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0069
Effect of feeding wheat-straw-based poultry litter on the digestibility of nutrients, growth rate and puberty age of buffalo heifers.
Malik, N.S. ; Makkar, G.S.-Ichhponani, J.S. New Delhi, Indian Council of Agricultural Research. The Indian journal of animal sciences. Nov 1980. v. 50 (11). p. 938-941. 9 ref. (NAL Call No.: 41.8 IN22).

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Effect of implants on the performance of steers backgrounded on a broiler litter-corn diet: a demonstration trial.
Kunkle, W.E. ; Dwinell, S. Gainesville, Fla. : The Stations. Florida beef cattle research report - Florida Agricultural Experiment Stations. 1984. p. 71-73. (NAL Call No.: DNAL SF191.F5).

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Effect of Larvadex feed-through on cool-season development of filth flies and beneficial coleoptera in poultry manure in southern California (Fannia femoralis or Fannia canicularis, insect growth regulator).
Meyer, J.A. ; Rooney, W.F.-Mullens, B.A. College Station, Tex. : Southwestern Entomological Society. The Southwestern entomologist. Mar 1984. v. 9 (1). p. 52-57. ill. Includes references. (NAL Call No.: QL461.S65).

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Effect of light intensity, litter source, and litter management on the incidence of leg abnormalities and performance of male turkeys.
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Effect of poultry excreta and ground ear corn on growth, intake, and digestion of corn stover silage diets by yearling dairy heifers.
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The effects of air dried poultry manure (as feed) on performance, organ weights and haematological measurements of weaner pigs reared in the tropics.
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Effects of corn silage and turkey litter on the performance of gestating pony mares and weanlings.
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Evaluation of complete rations consisting of enriched sugarcane tops (30% DPW (dried poultry waste) on DMB) silage and an economic concentrate mixture in varying ratios (Lambs, feeding).
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Kese, A.G.POSCA ; Donkoh, A. Champaign : Poultry Science Association. Poultry science. Dec 1982. v. 61 (12). p. 2500-2502. 9 ref. (NAL Call No.: 47.8 AM33P).

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The feasibility of recycling poultry chiller water, after activated carbon treatment.
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Influence of molybdenum and sulfate supplementation and withdrawal of diets containing high copper broiler litter on tissue copper levels in ewes.
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